

Application No.: 09/771,312

Docket No.: 511582000100

AMENDMENTS TO THE CLAIMS

1-11. (canceled)

12. (currently amended): An isolated ~~84P2A9-related~~ recombinant protein comprising the amino acid sequence of SEQ ID NO:2.

13. (canceled)

14. (currently amended): An isolated ~~84P2A9-related~~ recombinant protein that has an amino acid sequence ~~which is exactly that of an amino acid sequence~~ encoded by a polynucleotide selected from the group consisting of:

(a) a polynucleotide having the sequence as shown in ~~FIG. 2~~ SEQ ID NO:1, wherein T can also be U;

(b) a polynucleotide having the sequence as shown in ~~FIG. 2~~ SEQ ID NO:1, from nucleotide residue number ~~{{165}}-163~~ through nucleotide residue number ~~{{1676}} 1674~~, wherein T can also be U;

(c) a polynucleotide encoding ~~an 84P2A9-related~~ a protein whose sequence is encoded by the cDNAs contained in the plasmids designated ~~p129.1-US-P1~~ p84P2A9-1 deposited with American Type Culture Collection as Accession No. PTA-1151;

(d) a polynucleotide encoding ~~an 84P2A9-related~~ a protein having the amino acid sequence shown in ~~FIG. 2~~ SEQ ID NO:2; and

(e) a polynucleotide that is fully complementary to a polynucleotide of any one of (a)-(d).

15. (currently amended): ~~{{Aa}}~~ The isolated 84P2A9-related recombinant protein of claim 14, wherein the recombinant protein is encoded by a polynucleotide selected from the group consisting of:

(a) a polynucleotide having the sequence as shown in ~~FIG. 2~~ SEQ ID NO:1, from nucleotide residue number 720 through nucleotide residue number 1392; or

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- (b) ~~a polynucleotide that is a fragment of the polynucleotide of (a) that is at least 10 nucleotide bases in length; or~~
- (e) a polynucleotide that selectively hybridizes under stringent conditions to the polynucleotide of (a) ~~or (b)~~.

16-38. (canceled)

39. (currently amended): A pharmaceutical composition comprising a recombinant protein, wherein the protein comprises the amino acid sequence of SEQ ID NO: 2, an 84P2A9-related protein, an antibody or fragment thereof that specifically binds to an 84P2A9-related protein, a vector comprising a polynucleotide encoding a single chain monoclonal antibody that immunospecifically binds to an 84P2A9-related protein, a polynucleotide comprising an 84P2A9-related protein coding sequence, an antisense polynucleotide complementary to a polynucleotide having an 84P2A9 coding sequences or a ribozyme capable of cleaving a polynucleotide having 84P2A9 coding sequences and, optionally, a physiologically acceptable carrier.

40-48. (canceled)